Course Material
UltiMaker Cura

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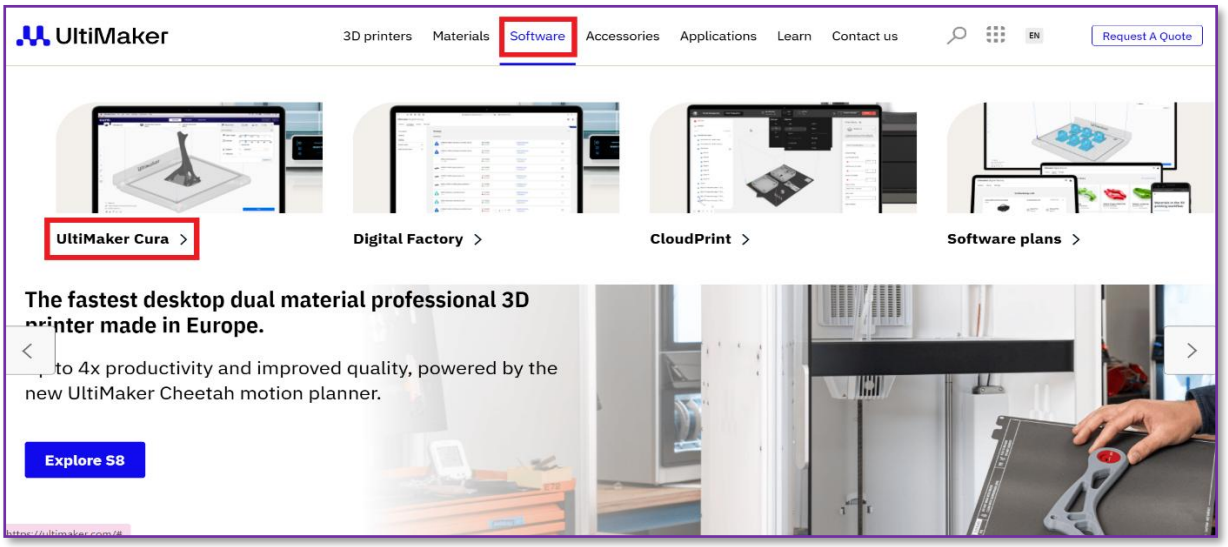
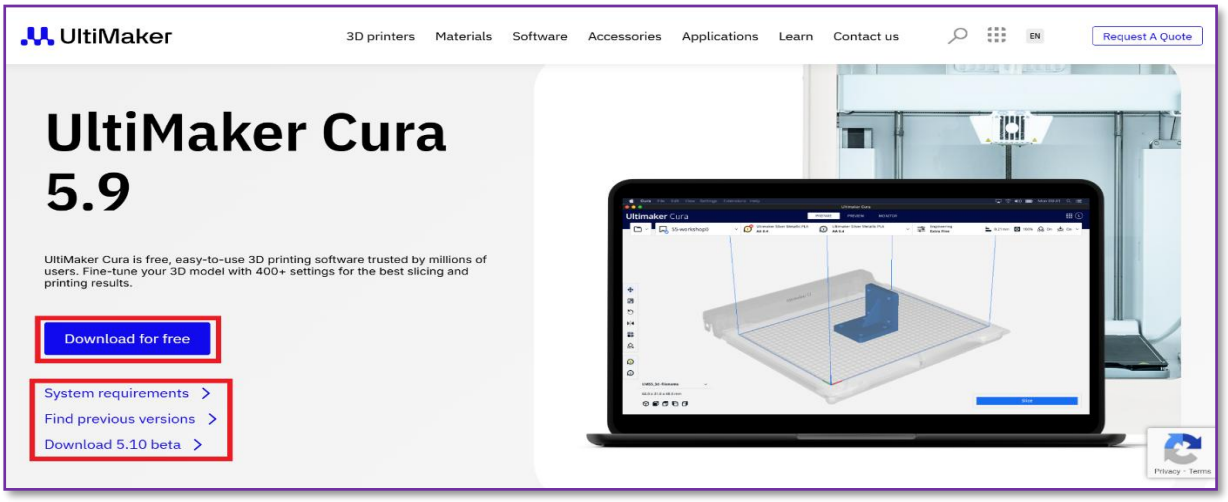
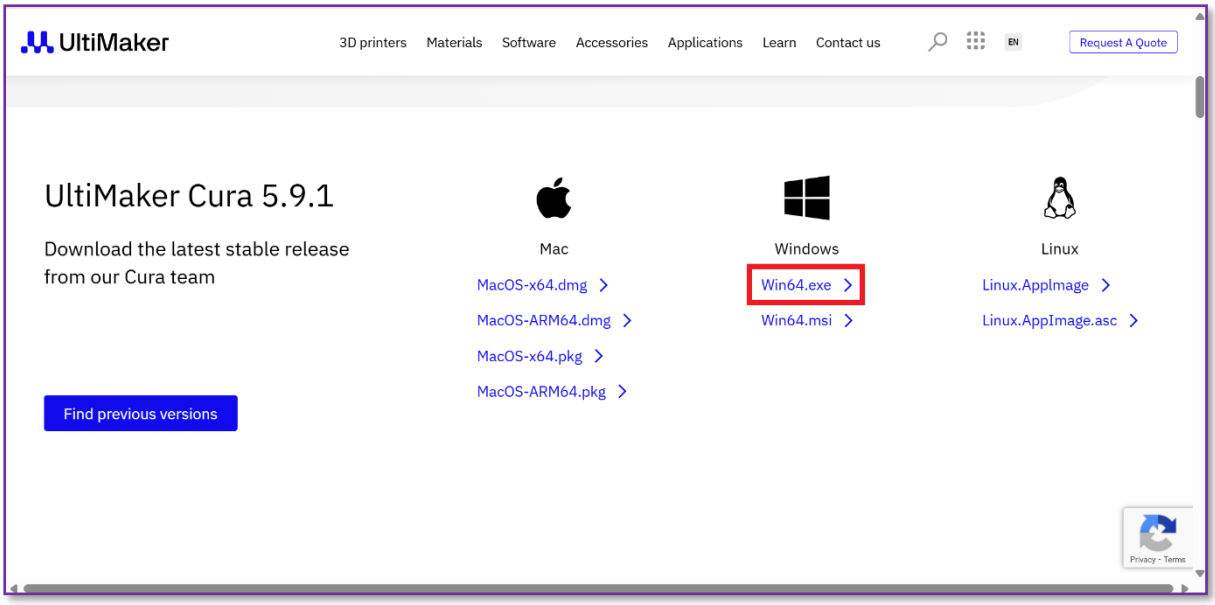
Installation

1. Go to https://ultimaker.com/
2. Click on **Software → UltiMaker Cura.**

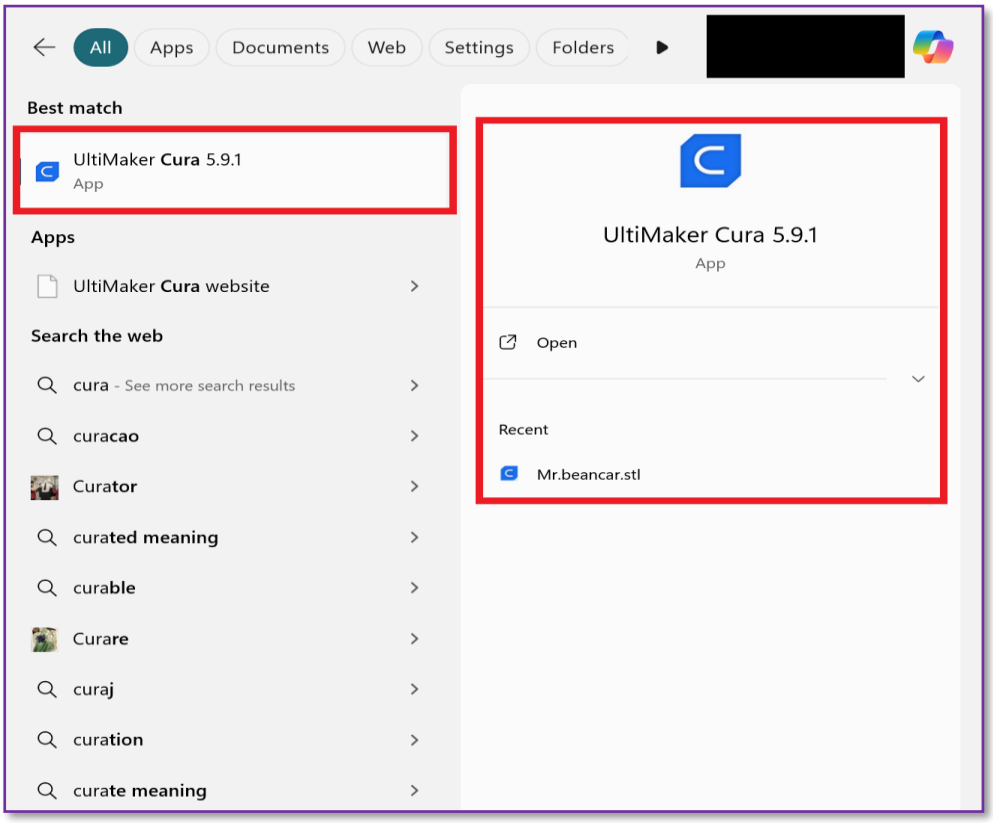


3. Click on **"Download for free"** to download the executable file to your computer. Additional options are available to check system requirements. Choose Win64.exe for Windows installation.





4. After downloading and installing, launch the "**UltiMaker Cura 5.9.1 application**".

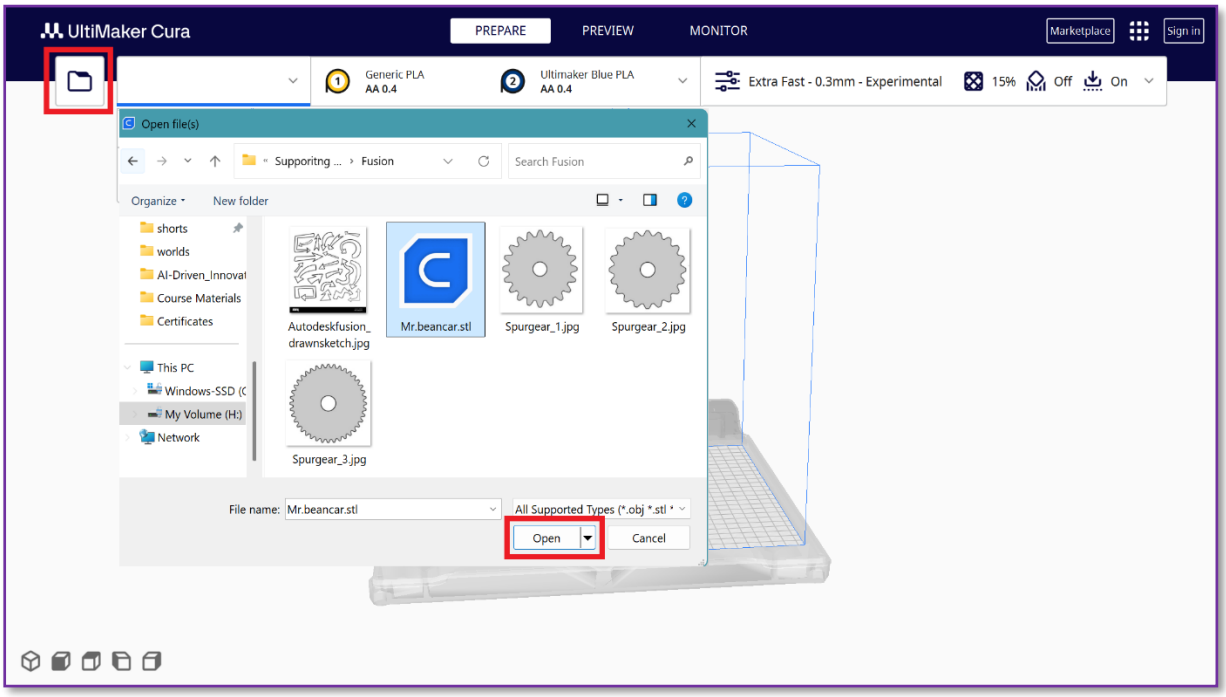


Basic Navigation Controls

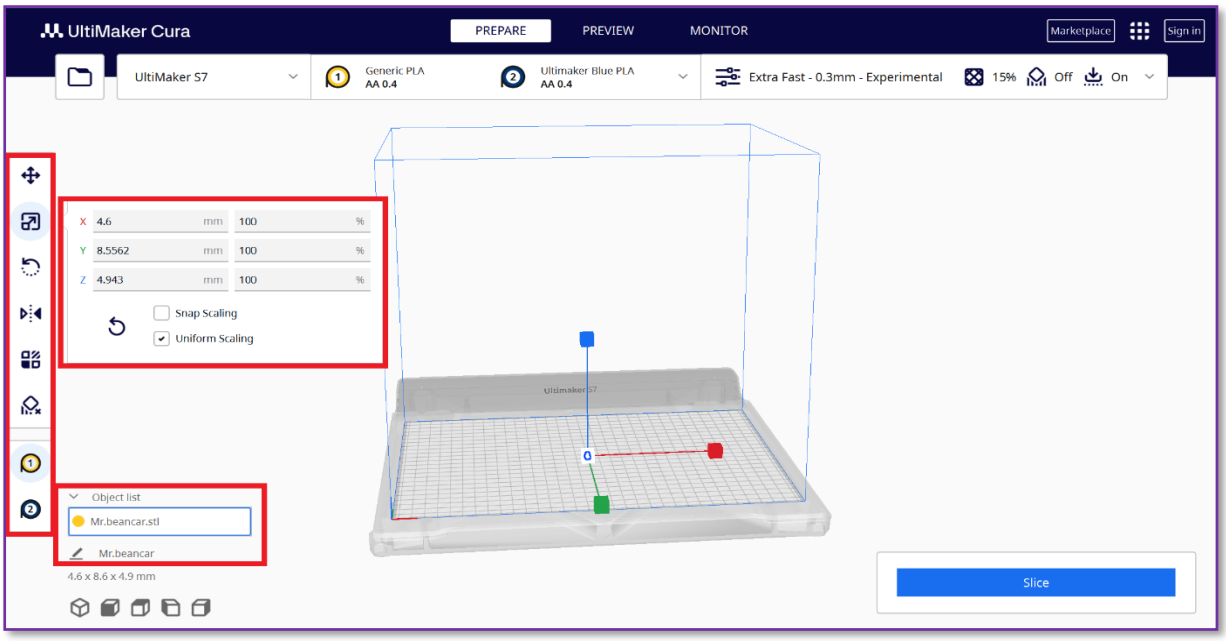
- **Zoom** → Use the **mouse scroll** to zoom in and out.
- **Free Rotate** → Hold **right mouse button** to freely rotate the view.
- **Pan** → Hold **Middle mouse click** to pan across the workspace.

UltiMaker Cura

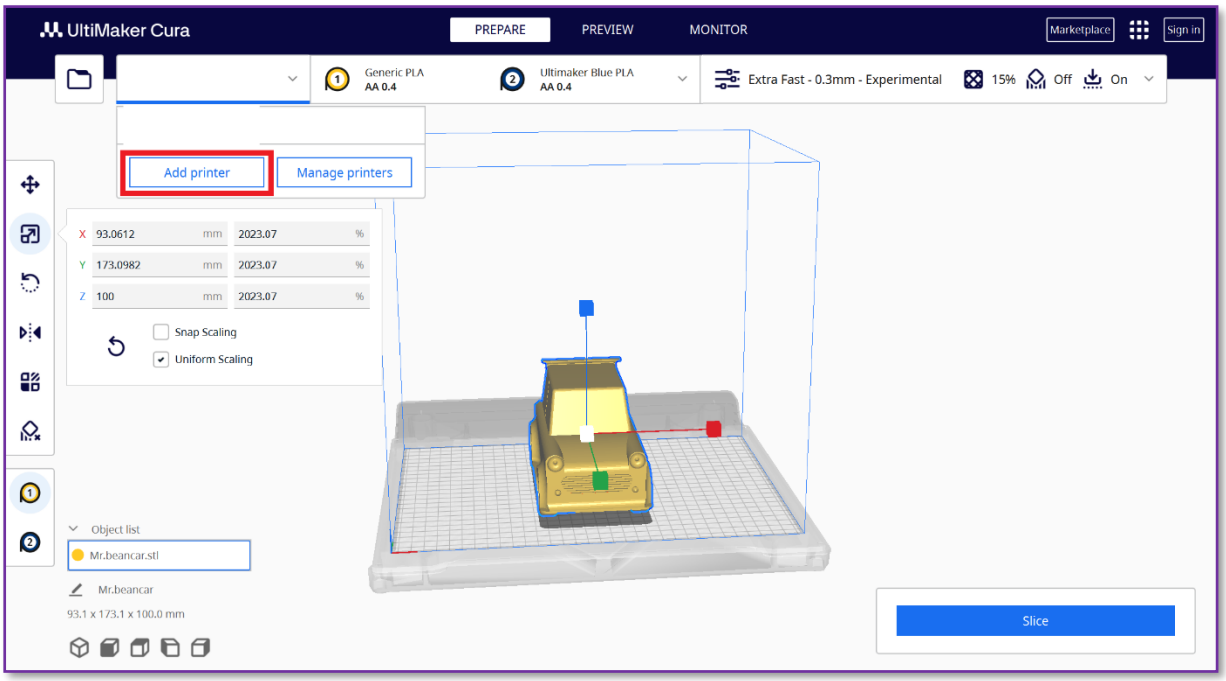
1. Launch UltiMaker Cura and click on the "**Folder**" icon to locate an "**STL file**" from your drive. Click "**Open**" once selected.
   Alternatively, you can download the "**STL file**" from our "**Google Drive**" shared folder.
   https://drive.google.com/file/d/1mfRCOekhQSBiFgVzB5GIkeB5jAF8oXcB/view?usp=drive_link

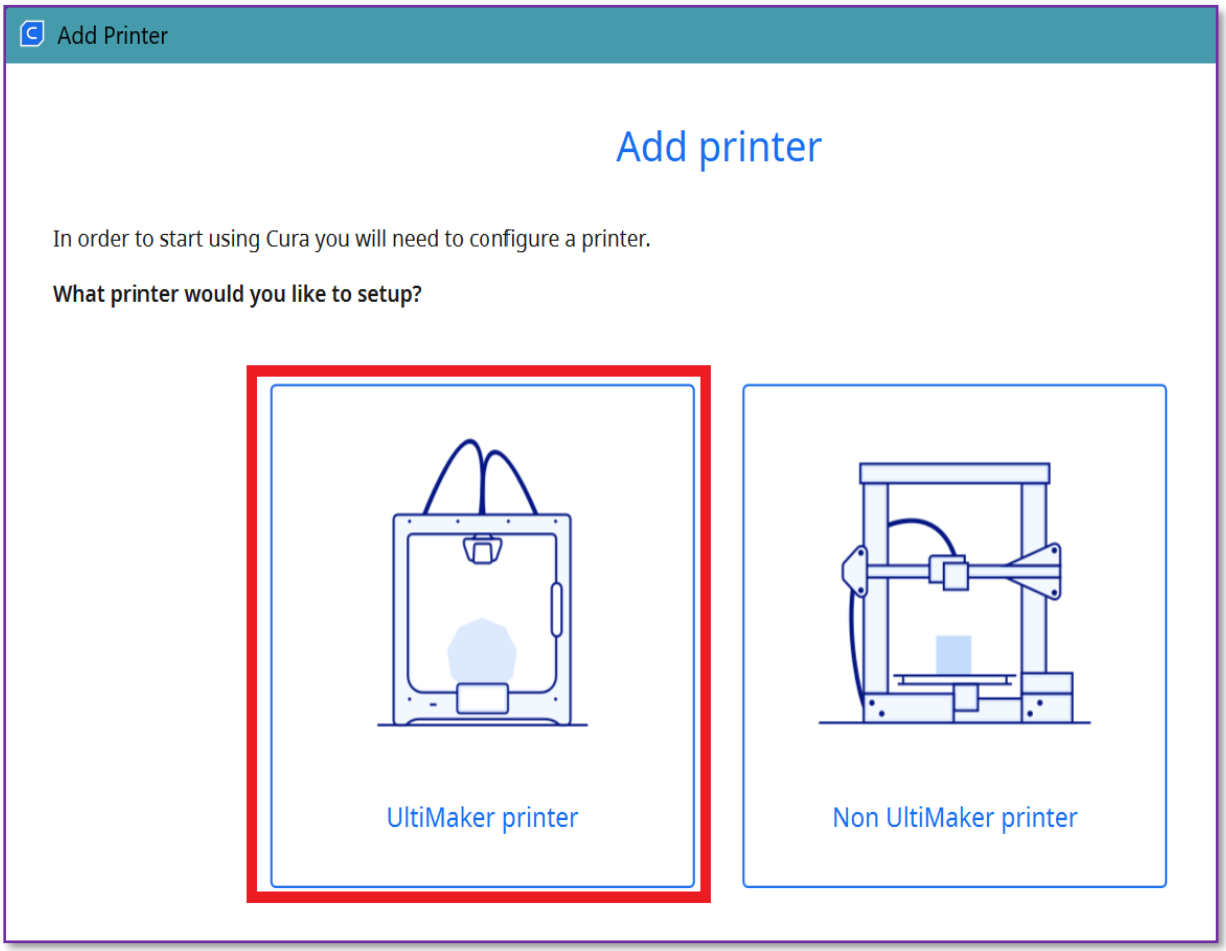


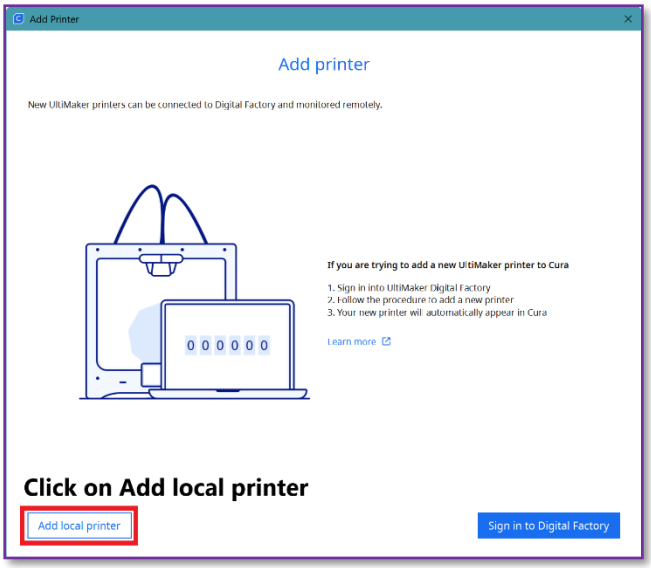
2. If the "**STL file**" is too small to view, select the item from the "**Object List**" and "**Scale**" it to the required dimensions. Other available options include "**Move**", "**Rotate**", "**Mirror**", etc., to adjust the model as needed.

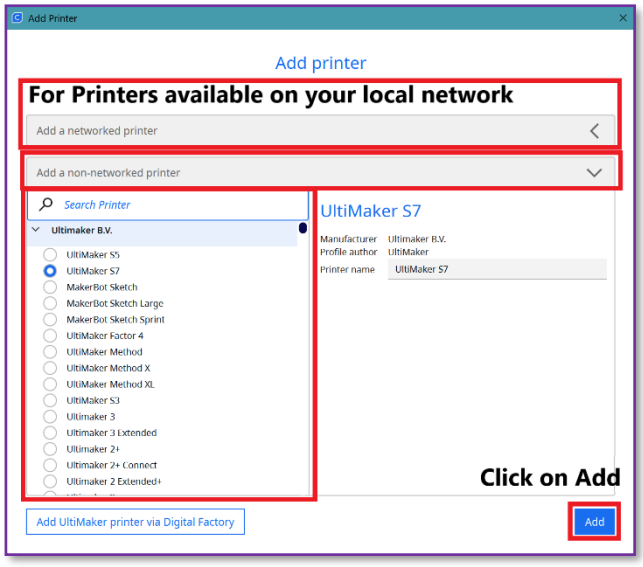


3. After the "**Object**" is "**Rescaled**", click on "**Add Printer**" and choose "**UltiMaker Printer**" for this training. Alternatively, you can select any "**3D Printer Type**" available on your premises as well.

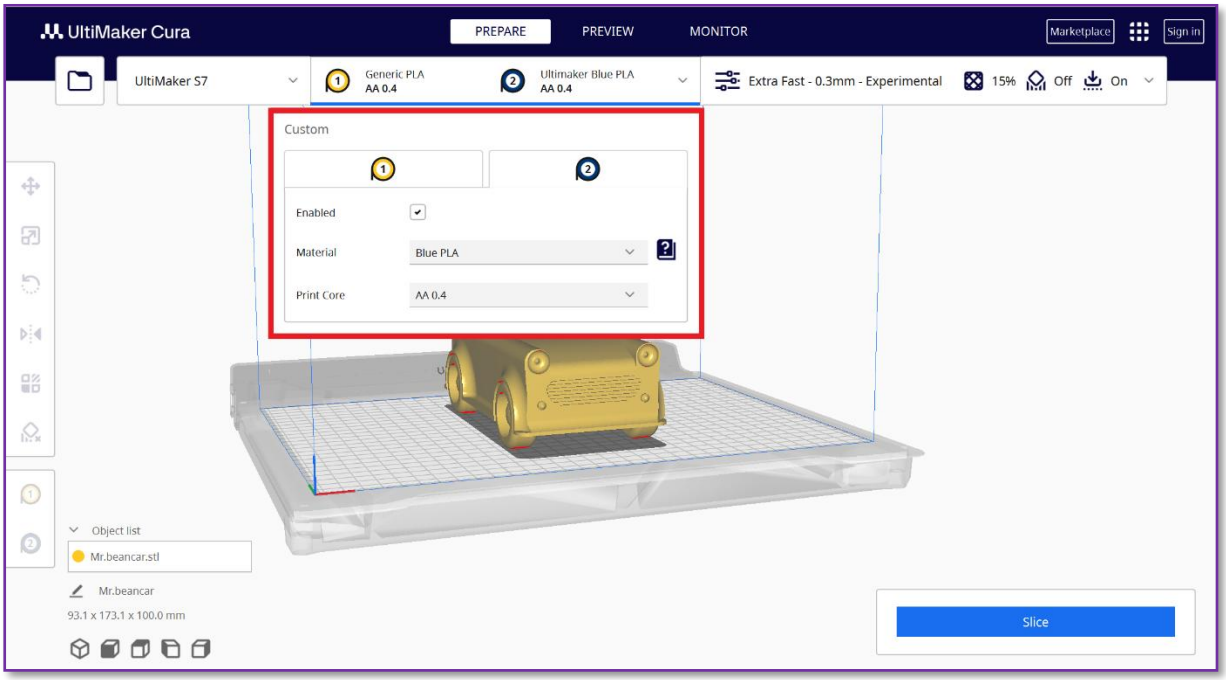




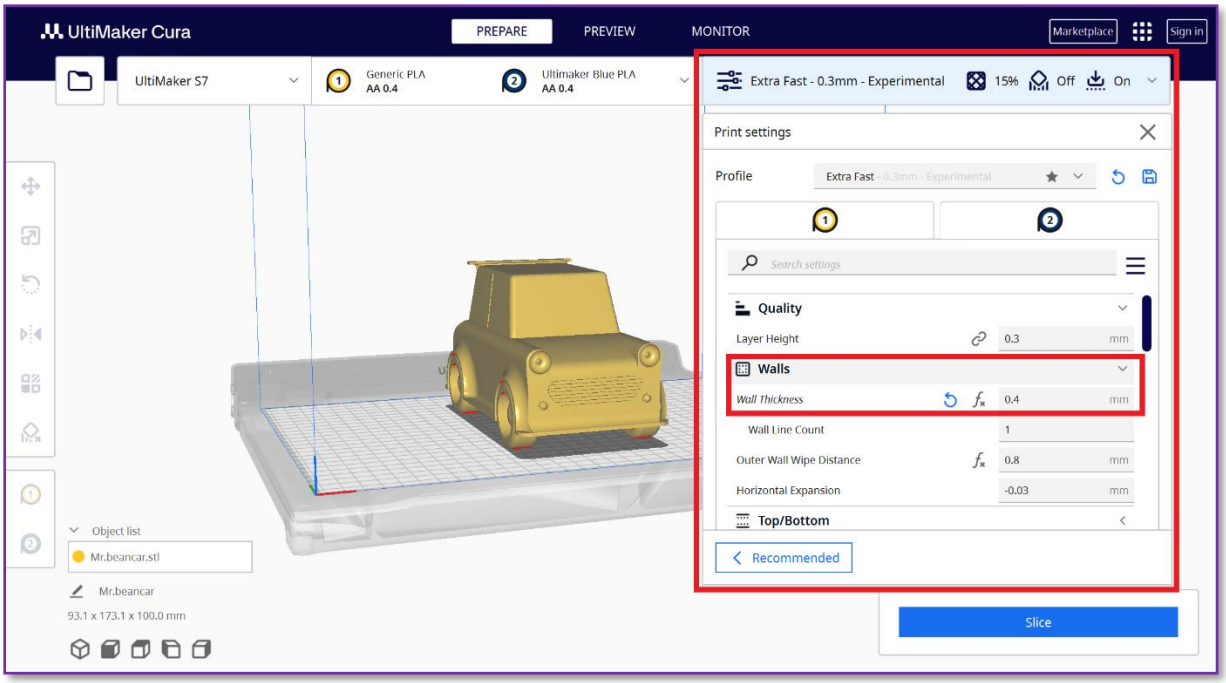




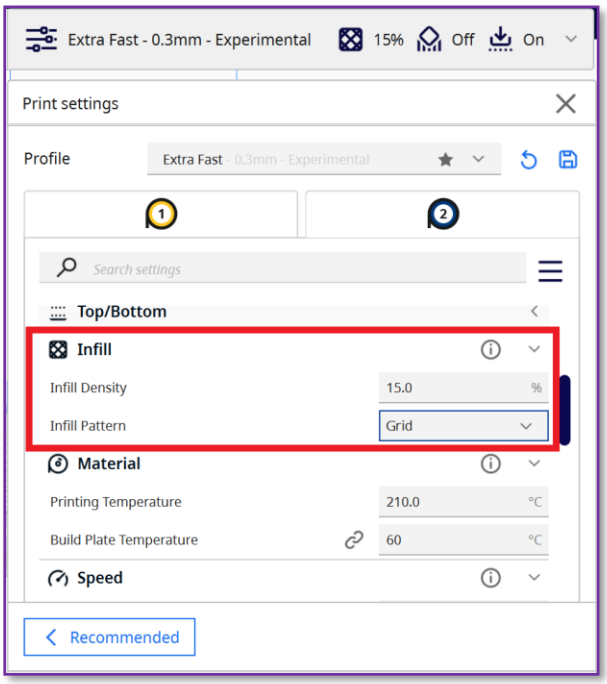
4. 3D Print Materials for two nozzles can be defined individually.

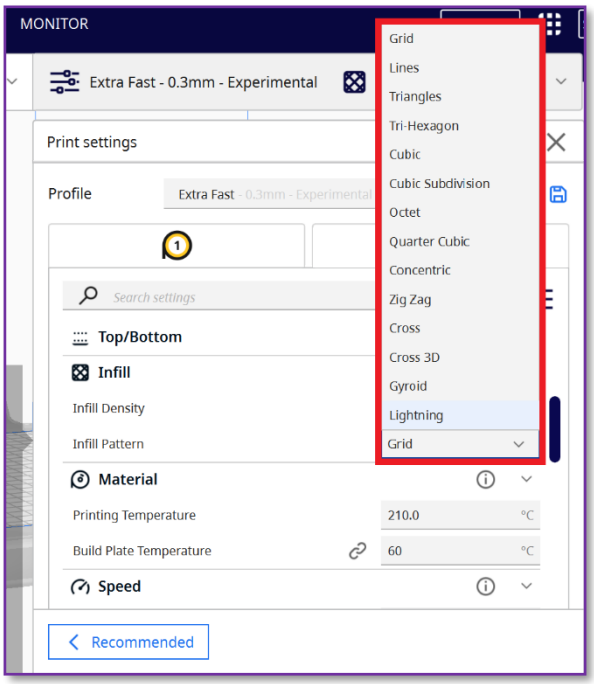


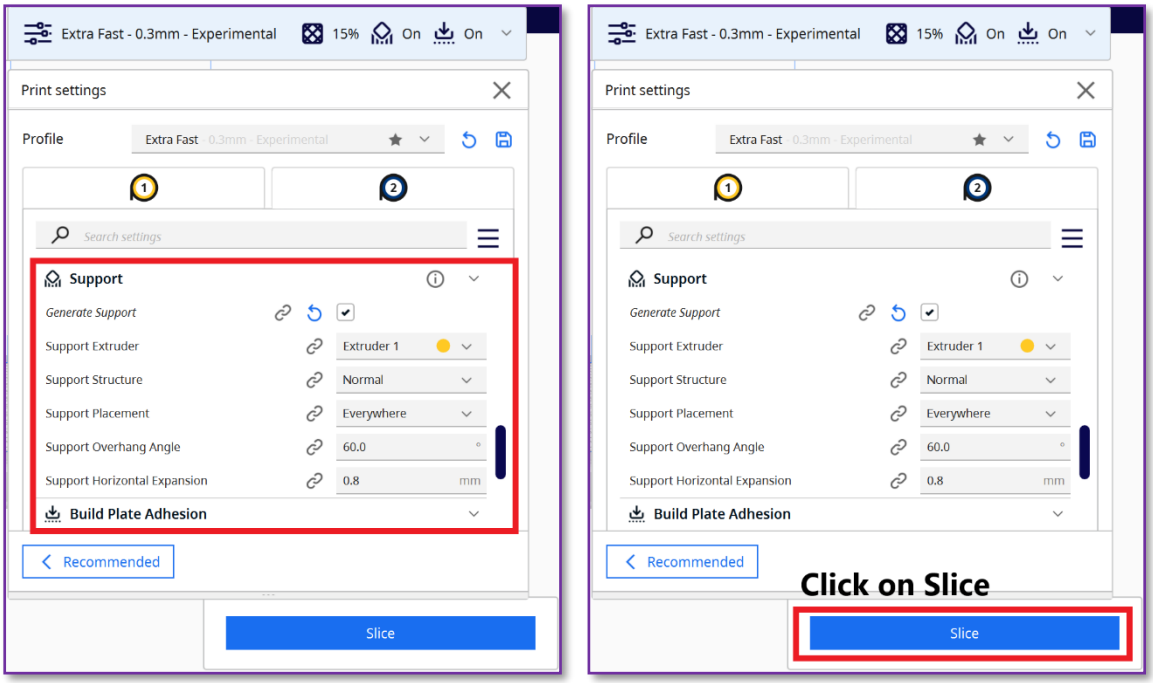
5. Settings can be optimized to your preference. For example, **"Wall Thickness"** can be set to **"0.4mm"**, which is equal to the **"Nozzle Diameter"**. The **"Number of Walls"** will be multiples of the **"Nozzle Diameter (0.4mm)"**.



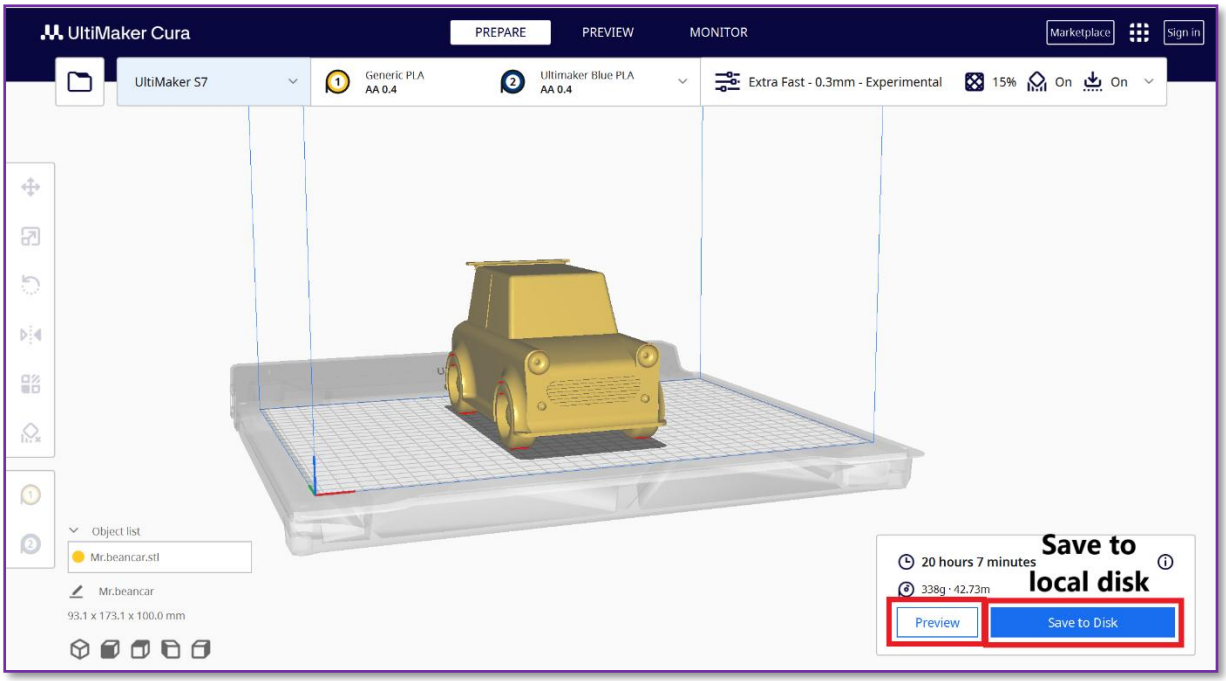
6. **"Infill Density"** refers to the material packaging density within the inner structure, with different types of grids available to choose from. Supports can be enabled for any hanging or beam structures, etc.

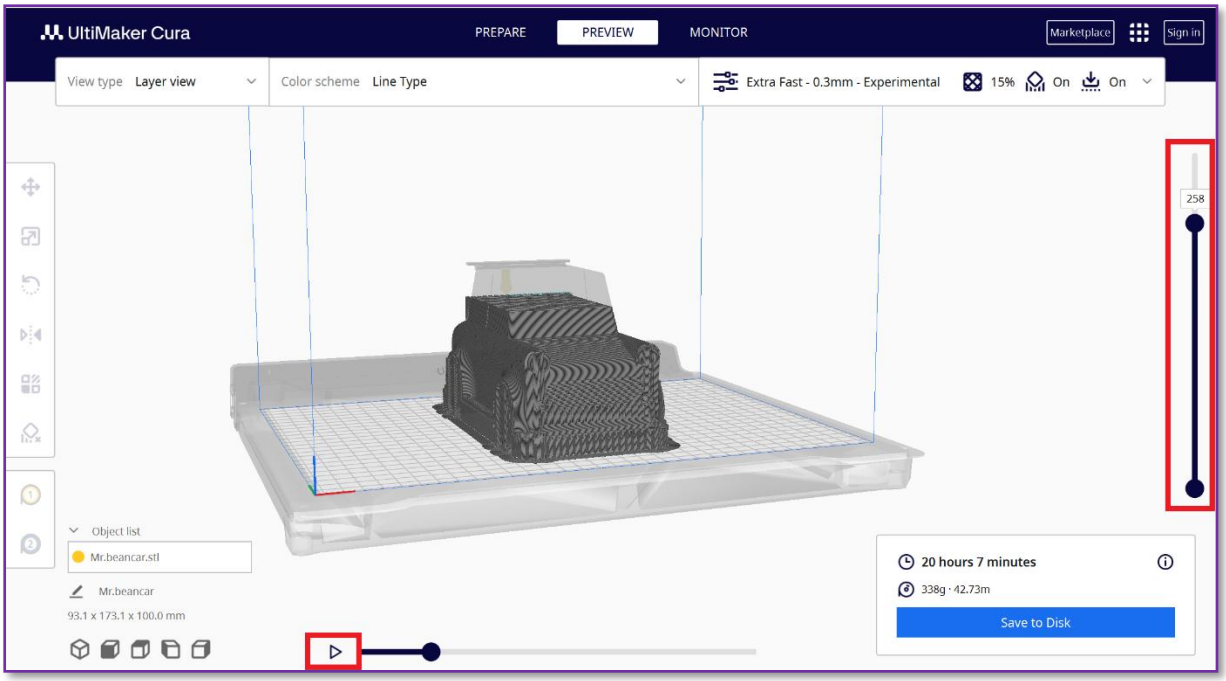






7. The Sliced model will be generated with a preview. You can scroll through different layers by dragging the slider on the right extreme, and the chosen layer can be viewed as an animation by clicking on the **"Play"** button at the bottom of the window.





8. For the best-optimized 3D print settings. refer to this document, which provides step-by-step instructions with explanations for ease of understanding.
https://indico.ung.si/event/34/contributions/320/attachments/295/377/FOLLOW%20ALONG.pdf